

Amendments to the Claims

Claim 1 (**Currently Amended**) An optical pickup device comprising:

a first light source for emitting a first light beam with an arbitrary wavelength;

a second light source for emitting a second light beam with a wavelength different from that of the first light source;

a synthesizing unit operable to make means for making an optical axis of the first light beam emitted from the first light source coincide with an optical axis of the second light beam emitted from the second light source;

a conversion unit operable to convert a light beam outputted from the synthesizing unit into substantially parallel light;

a converging unit operable to converge a means for converging the light beam outputted from the conversion unit-synthesizing means onto an optical disk;

a light path length conversion unit operable to lengthen light path length of a light, the light path length conversion unit being provided between the synthesizing unit and the converging unit; and

a detecting unit operable to receive means for receiving the light beam reflected on the optical disk, wherein

when a back focus of the conversion unit for the wavelength of the first light source is f1 and a back focus of the conversion unit of the second light source is f2, the first light source is located at a position closer to the conversion unit than a position located apart from the conversion unit by f1, and the second light source is located at a position farther from the conversion unit than a position located apart from the conversion unit by f2

the synthesizing means is made close to the converging means, so as to drastically change imaging magnification as divergence degree of the light beam emitted from the first light source, which is outputted from the synthesizing means and imaging magnification as divergence degree of a light source of the light beam emitted from the second light source, which is outputted from the synthesizing means.

Claims 2-4 (Cancelled)

Claim 5 (Currently Amended) The optical pickup device as defined in Claim 1-4, wherein
the light path length conversion unit-converting means is made of material having a high
refractive index capable of lengthening light path length.

Claim 6 (Currently Amended) The optical pickup device as defined in Claim 1, wherein
when imaging magnification that is accomplished ~~by an optical element~~ between the first
light source and the optical disk is made M1 and imaging magnification that is accomplished ~~by~~
~~an optical element~~ between the second light source and the optical disk is made M2, $1.5 \leq M2/M1$.

Claim 7 (Currently Amended) The optical pickup device as defined in Claim 1, further
comprising including:

an aperture diaphragm adapted to move-for moving with the converging unit-means and
operable to converge-converging a light beam spot of desired size onto the optical disk-disks.

Claim 8 (Currently Amended) The optical pickup device as defined in Claim 1, wherein
when imaging magnification of the converging unit-means with respect to the first light
source is made m1, the following conditional expression is satisfied:

$$| m1 | \leq 0.068.$$

Claim 9 (Currently Amended) The optical pickup device as defined in Claim 1, wherein
when a numerical aperture on a the side of the optical disk corresponding to the
combination of the first light source and the optical disk is made NA1, and a numerical aperture
on a the side of the optical disk corresponding to the combination of the second light source and
the optical disk is made NA2, and

when the imaging magnification of the converging unit means with respect to the first light source is made m_1 , and imaging magnification of the converging unit means with respect to the second light source is made m_2 , the following conditional expressions are satisfied:

$$NA_1 < NA_2,$$

$$| m_2 | \leq | m_1 |.$$

Claim 10 (Currently Amended) The optical pickup device as defined in Claim 1, wherein

when the wavelength of the first light beam emitted from the first light source is made λ_1 , and the wavelength of the second light beam emitted from the second light source is made λ_2 ,

$$760\text{nm} \leq \lambda_1 \leq 810\text{nm},$$

$$620\text{nm} \leq \lambda_2 \leq 680\text{nm}.$$

Claim 11 (Currently Amended) The optical pickup device as defined in Claim 1, wherein

the first and second light beams as divergent lights emitted from the first and second light sources are incident on the synthesizing unit means, thereby scattering a light reflected light on a the surface of the synthesizing unit means.